

IN THE CLAIMS

Please amend the claims to read as follows wherein changes in a claim are shown by strikethrough for deleted matter and underlining for added matter:

1. An assembly ~~(1)~~ for performing parallel chemical experiments, in particular crystallisation experiments, said assembly comprising:
 - a main body ~~(2)~~ having a first ~~(3)~~ and a second face ~~(4)~~ on opposite sides thereof, multiple bores ~~(5)~~ extending through said main body between said first and second face,
 - ~~tubular liners each~~~~(6)~~ having an openings ~~(7,8)~~ at the first face of the main body ~~opposite ends thereof~~, each liner removably fitting in a bore in the main body, the liners are each provided at the first face of the main body with at least one outwardly directed support projection, and the bores in the main body are each provided with a corresponding recess for receiving the support projection,
 - first closure means ~~(10)~~ for closing the openings of the liners at the first face of the main body, which first closure means comprise one or more elastic first sealing members and a first cover plate, so that said first sealing members are interpositioned between the ends of the liners and the first cover plate,
said first closure plate being fastenable to said main body, so that a closed experimentation chamber is defined within each liner,
wherein the liners are tubular liners, each liner also having openings at opposite ends thereof, and wherein second closure means are provided for closing the openings of the liners at the second face of the main body, said second closure means comprising one or more second elastic sealing members and a second cover plate which is fastenable to the

main body, so that said second sealing members are interpositioned between the ends of the tubular liners and the second cover plate.

~~second closure means (15) for closing the openings of the liners at the second face of the main body,~~

~~said first and second closure means (15,16) being fastenable to said main body, so that an experimentation chamber (20) is defined within each liner (6).~~

2. Assembly according to claim 1, wherein said first closure means comprise ~~one or more elastic multiple~~ first sealing members, each first sealing member engaging an end face of a liner. ~~and a first cover plate, so that said first sealing members are interpositioned between the ends of the tubular liners and the first cover plate.~~

3. Assembly according to claim ~~1 or~~ 2, wherein at least one of the first face of the main body and the first cover plate is provided with recesses at the locations of the liner ends for receiving a first sealing member.~~said second closure means comprise one or more second elastic sealing members and a second cover plate, so that said second sealing members are interpositioned between the ends of the tubular liners and the second cover plate.~~

4. Assembly according to claims 1, wherein said second closure means comprise multiple sealing members, each second sealing member engaging an end face of a liner.~~the tubular liners are each provided with at least one outwardly directed support~~

~~projection and the bores in the main body are each provided with a corresponding recess for receiving the support projection.~~

5. ~~Assembly according to claim 4, wherein at least one of the second face of the main body and the second cover plate is provided with recesses at the locations of the liner ends for receiving a second sealing member. the outwardly directed support projection is a circumferential support flange at one end of the tubular liner and the bores in the main body each form an annular recess for receiving said support flange.~~

6. ~~Assembly according to claim 21, wherein at least one of the first and the second cover plate is provided with bores extending in line with the bores of the main body, and wherein at least one of the first and second sealing members are pierceable. said first closure means comprise multiple first sealing members, each first sealing member engaging an end face of a liner.~~

7. A method for performing parallel chemical experiments, in particular crystallisation experiments, wherein use is made of a system comprising:
- an assembly for performing parallel chemical experiments, in particular crystallisation experiments, said assembly comprising:

- a main body having a first and a second face on opposite sides thereof, multiple bores extending through said main body between said first and second face,
- tubular liners having openings at opposite ends thereof, each liner removably fitting in a bore in the main body,
- first closure means for closing the openings of the liners at the first face of the main body,

- second closure means for closing the openings of the liners at the second face of the main body,
- said first and second closure means being fastenable to said main body, so that an experimentation chamber is defined within each liner,

and

- a filtration device having channels with inlets corresponding to the bores in the main body of the experimentation assembly and a filter in each channel, so that – after removal of the top cover plate of the experimentation assembly when in horizontal position and of the associated at least one sealing member – said filtration device is brought against the top face of the main body, after which said system is reversed and the contents of the experimentation chambers enters said channels in the filtration device and is filtered.

~~Assembly according to claim 6, wherein the first face of the main body and/or the first cover plate is provided with recesses at the locations of the liner ends for receiving a first sealing member.~~

8. Assembly A method according to claim 37, wherein said channels in said filtration device have outlets and wherein said system further comprises a collecting device having collecting chambers with inlets corresponding to the outlets of the filtration device, such that the filtered contents of the experimentation chambers enters said collecting chambers.~~second closure means comprise multiple second sealing members, each second sealing member engaging an end face of a liner.~~

9. A method according to claim 7, wherein crystallisation is effected in the experimentation chambers.~~Assembly according to claim 8, wherein the second face of the main body and/or the second cover plate is provided with recesses at the locations of the liner ends for receiving a second sealing member.~~

10. A system for performing parallel chemical experiments, in particular crystallisation experiments, said system comprising:

- an assembly for performing parallel chemical experiments, in particular crystallisation experiments, said assembly comprising:
 - a main body having a first and a second face on opposite sides thereof, multiple bores extending through said main body between said first and second face,
 - tubular liners having openings at opposite ends thereof, each liner removably fitting in a bore in the main body,
 - first closure means for closing the openings of the liners at the first face of the main body,
 - second closure means for closing the openings of the liners at the second face of the main body,
 - said first and second closure means being fastenable to said main body, so that an experimentation chamber is defined within each liner,

and

- heating means for heating the content in the experimentation chambers, wherein said main body is a solid body of a heat conducting material, and wherein said heating means are mounted in contact with at least one of said main body and cover plate,

and wherein at least one of the first and second closure means comprise sealing members which are pierceable, and wherein

the system further comprises a vapour discharge assembly, said vapour discharge assembly comprising multiple hollow needle members, each adapted to be pierced through a sealing member so that vapour discharges via said hollow needle members.

~~Assembly according to claim 2 or 3, wherein the first and/or second cover plate is provided with bores extending in line with the bores in the main body, and wherein the first and/or second sealing members are pierceable, such that e.g. a needle can be inserted into each experimentation chamber.~~

11. A system according to claim 10, wherein said needle members are upwardly directed and arranged to pierce through the sealing members sealing the bottom face of the experimentation assembly in horizontal orientation.~~Assembly according to claim 6 and/or 8, wherein the first and/or second sealing members are sealing discs.~~
12. A system according to claim 10, wherein the system further comprises a feed assembly for feeding a substance into the experimentation chambers, said feed assembly comprising at least one hollow needle member adapted to be pierced through a sealing member.
~~Assembly according to claim 2 or 3, wherein the first and/or second sealing members comprise a filter for filtering the contents of the experimentation chamber upon removal of said contents.~~
13. Method for performing parallel chemical experiments, in particular crystallisation experiments, wherein use is made of an assembly according to claim 1.~~Assembly according to claim 12, wherein said first and/or second sealing members comprise an annular seal and a filter extending across the central opening of said seal.~~
14. Use of an assembly according to claim 1 for solid form screening of molecules.~~A system for performing parallel chemical experiments in particular crystallisation experiments, said system comprising:
an experimentation assembly according to one or more of the preceding A system for performing parallel chemical experiments, in claims, and~~

~~a filtration device having channels with inlets corresponding to the bores in the main body of the experimentation assembly and a filter in each channel, so that —after removal of the top cover plate of the experimentation assembly when in horizontal position and of the associated sealing member(s)— said filtration device can be brought against the top face of the main body, after which said system is reversed and the contents of the experimentation chambers enters said channels in the filtration device and is filtered.~~

15. Use of an assembly according to claim 14, wherein the solid form screening of molecules is for active pharmaceutical ingredients.~~A system according to claim 14, wherein said channels in said filtration device have outlets and wherein said system further comprises a collecting device having collecting chambers with inlets corresponding to the outlets of the filtration device, such that the filtered contents of the experimentation chambers can enter said collecting chambers.~~

16. Use of an assembly according to claim 14, wherein the solid form screening of molecules is selected from the group consisting of salt screening, polymorph screening, and enantiomer separation screening.~~A system for performing parallel chemical experiments, in particular crystallisation experiments, said system comprising: an experimentation assembly according to one or more of the preceding claims, and a press device having multiple press members corresponding to the liners of the experimentation assembly for pressing said liners into and/or out of the main body.~~

17.-38. Canceled